

receptors. Although these integrated devices have been described as useful in biomolecular analysis, particularly in automated assay applications, none of these patents disclose a customized array or means of formation thereof. In addition, the designs of some of these devices are not easily adapted for array formation and use. For example, the optical disks of U.S. Patent No. 6,030,581 are asymmetrically weighted about the center of the disk, thereby requiring inertial compensation if one of these disks is to be rotated about its center. Furthermore, there is a coplanar spatial relationship between the software (i.e., machine-readable information) region of the disk and the sample preparation assay region. This coplanar relationship does not allow a protective layer to be easily applied to the assay portion (e.g., by spin coating) without interfering with the software region.

IN THE CLAIMS:

Please cancel claims 10 and 51-90 without prejudice.

Amend claims 1-5, 11, 13-18, 42, 43, and 45 as indicated in Appendix B. The amended claims will then read as follows:

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1. A device comprising a substrate having a plurality of moieties attached to a surface thereof and containing machine-readable information relating to the moieties, wherein the information is represented by no less than about 1 kilobyte of data that is physically associated with the substrate.

2. The device of claim 1, wherein the machine-readable information contains the identity of a customer.

3. The device of claim 1, wherein the machine-readable information is secured.

4. The device of claim 1, wherein the machine-readable information contains shipping and/or billing information.

5. The device of claim 1, wherein the machine-readable information contains the identity of at least one of the moieties of the plurality of moieties attached to the device surface.

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a2 11. The device of claim 9, wherein the machine-readable information is represented by no less than about 1 megabyte of data.

a3 13. The device of claim 1, wherein the machine-readable information is in a format that is optically readable.

14. The device of claim 13, wherein the machine-readable information is in a format that is readable by a fluorescence reader.

15. The device of claim 13, wherein the machine-readable information is in a format that is readable by a phosphoimager.

16. The device of claim 13, wherein the machine-readable information is in a format that is readable by a compact disk reader.

17. The device of claim 13, wherein the machine-readable information is in a format that is readable by a DVD reader.

18. The device of claim 1, further comprising additional information in a format that is readable by a bar code reader.

a4 42. The device of claim 1, wherein the substrate comprises an additional magnetic medium.

43. The device of claim 1, wherein the substrate comprises an additional optical medium.

a5 45. A device comprising a substrate having a surface adapted for attachment to a plurality of moieties and containing machine-readable information relating to the moieties, wherein the information is represented by no less than about 1 kilobyte of data that is physically associated with the substrate.

Also add new claims 91-102, as indicated in Appendix B. Thus, claim 1-9, 11-50, and 91-102 are pending. For the Examiner's convenience, the pending claims upon entry of this amendment are set forth in Appendix C.